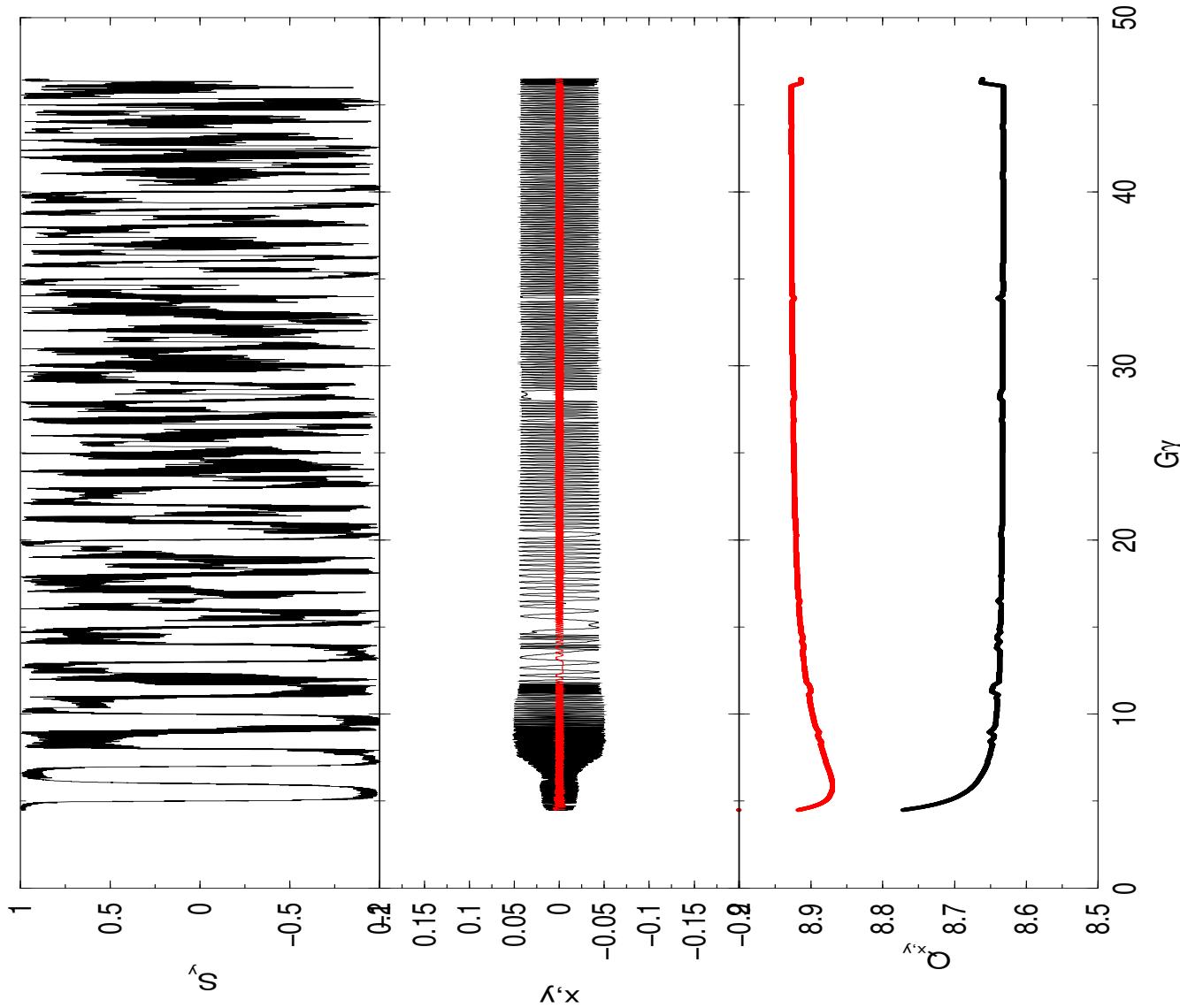


Progress on Dynamic Spin Tracking

M. Bai, A. Luccio

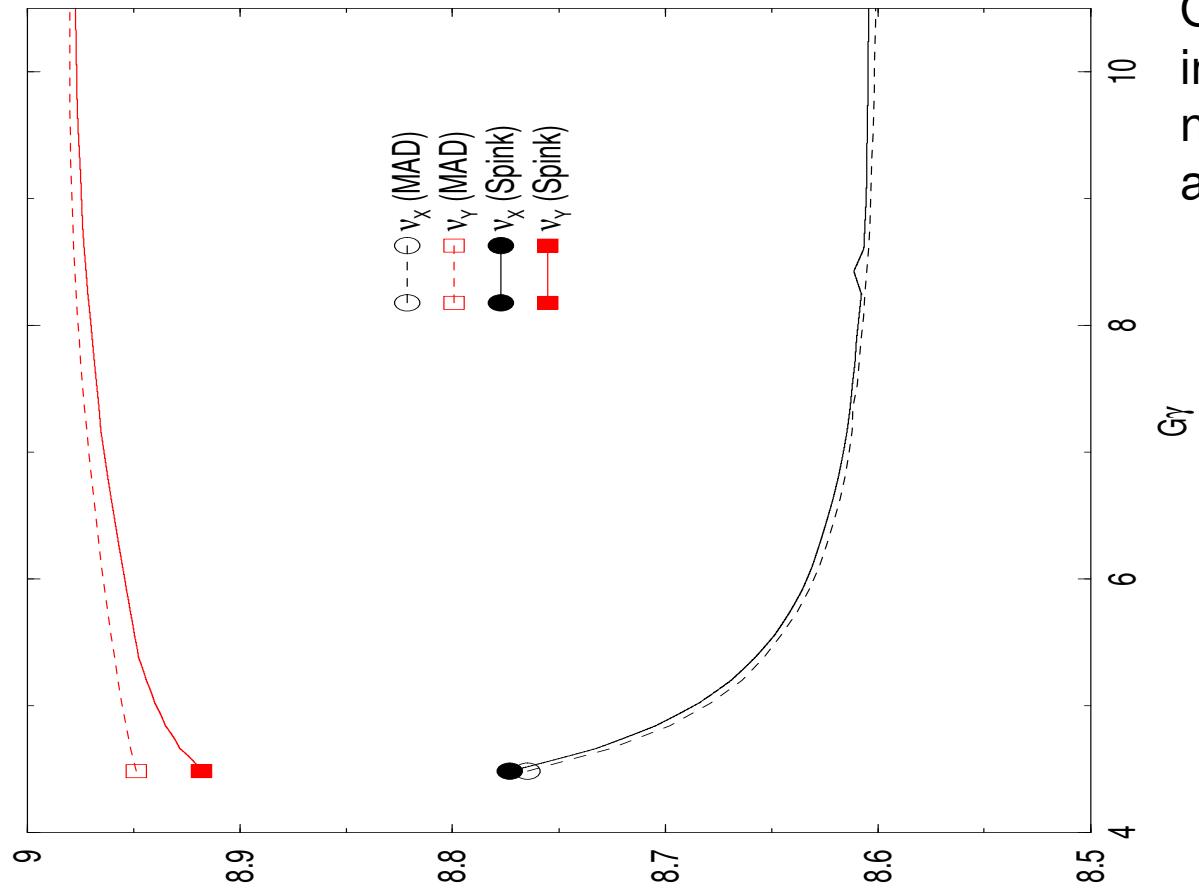
Nov. 2 2005

Tracking results 1



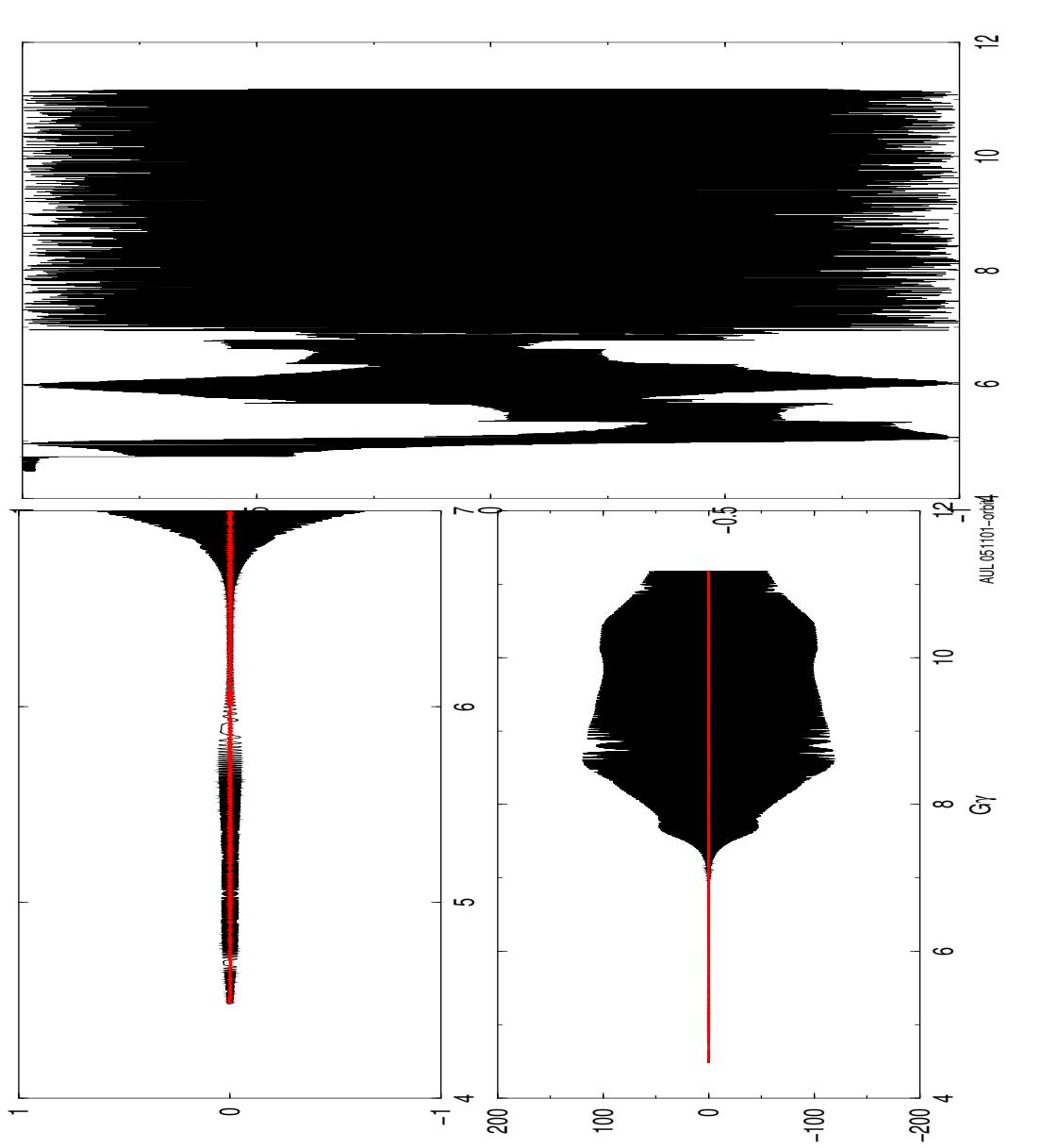
- single particle
- AUL tables for SNKs and quads
- problem is the QA17 and QE17 in the table only have the strength for correction.

Tracking results 2 – tune along the ramp



- fixed the problem of QA17 and QE17 strength in the table. The strength now is the sum for correction and for tune.

Tracking results 2 – Spin and Orbit



- spin behavior

- orbit behavior.

Plan

- Do a tracking with a static lattice at Ggamma=9.5 with poor orbit to see whether the orbit blowup is real or is due to the improper updating of tables
- Investigate the spin rotation module to see whether all the elements are handled properly